

# Acronyms and Abbreviations

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µg/m <sup>3</sup>	micrograms per cubic meter
AADT	annual average daily traffic
AASHTO	American Association of State Highway and Transportation Officials
AC	alternating current
ACGIH	American Conference of Government Industrial Hygienists
ACHP	Advisory Council on Historic Preservation
ACI	American Concrete Institute
ADT	average daily traffic
AFC	application for certification
afy	acre feet per year
AHM	acutely hazardous material
AHPA	Archaeological and Historic Preservation Act
AI	Asphalt Institute
AISC	American Institute of Steel Construction
AM	archaeological monitor
ANSI	American National Standards Institute
APE	area of potential effect
ASME	American Society of Mechanical Engineers
AST	Aboveground Storage Tank
ASTM	American Society of Testing and Materials
AVO	average vehicle occupancy
AWS	American Welding Society
AWWA	American Water Works Association
BACT	best available control technology

BLAST	Bus Line Service of Turlock
BMP	best management practice
BRMIMP	Biological Resources Mitigation and Monitoring Plan
Btu	British thermal units
CAA	Clean Air Act
CAISO	California Independent System Operator
CalARP	California Accidental Release Program
CalEPA	California Environmental Protection Agency
Cal-OSHA	California Occupational Safety and Health Administration
Caltrans	California Department of Transportation
CAS	Chemical Abstract Service
CBC	California Building Code
CCR	California Code of Regulations
CCTS	Central California Taxonomic System
CDC	California Department of Conservation
CDFG	California Department of Fish and Game
CDMG	California Division of Mines and Geology
CDOGGR	California Division of Oil, Gas, and Geothermal Resources
CEC	California Energy Commission
CEDD	California Employment Development Department
CEM	continuous emission monitoring
CEQA	California Environmental Quality Act
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CESA	California Endangered Species Act
CFR	Code of Federal Regulations
CHP	California Highway Patrol
CHRIS	California Historical Resources Information System
CIWMA	California Integrated Waste Management Act

CIWMB	California Integrated Waste Management Board
CIWMP	County Integrated Waste Management Plan
CMP	Congestion Management Program
CNDDDB	California Natural Diversity Data Base
CNPS	California Native Plant Society
CO <sub>2</sub>	carbon dioxide
CPUC	California Public Utilities Commission
CRHR	California Register of Historical Resources
CRSI	Concrete Steel Reinforcing Institute
CRT	cathode ray tube
CSC	California Species of Special Concern
CT	combustion turbine
CTG	combustion turbine generator
CUP	conditional use permit
CUPA	Certified Unified Program Agency
CVC	California Vehicle Code
CWA	Clean Water Act
dba	decibel A-rated
DC	direct current
DeA	Delhi loamy sand
DCS	distributed control system
DER	(Stanislaus County) Department of Environmental Resources
DOF	(California) Department of Finance
DOT	(U.S.) Department of Transportation
DrA	Dinuba sandy loam
DTSC	(California) Department of Toxic Substances Control
DwA	Dinuba sandy loam, slight saline-alkali

EAF	equivalent availability factor
EHS	extremely hazardous substance
EIR	Environmental Impact Report
EJ	environmental justice
EMF	electric and magnetic fields
EHS	extremely hazardous substance
EPCRA	Emergency Planning and Community Right-to-Know Act
ER	emergency room
ERPG	Emergency Response Planning Guideline
ERPG-1	Maximum airborne concentration below which nearly all individuals could be exposed for up to 1 hour without experiencing other than mild transient adverse health effects
ERPG-2	Maximum airborne concentration below which nearly all individuals could be exposed for up to 1 hour without developing irreversible or serious health effects
ERPG-3	Maximum airborne concentration below which nearly all individuals could be exposed for up to 1 hour without experiencing life-threatening health effects
ESA	environmentally sensitive area; Environmental Site Assessment
ESU	evolutionary significant unit
F	Fahrenheit
FAA	Federal Aviation Administration
FAR	floor-to-area ratio
FEMA	Federal Emergency Management Agency
FESA	Federal Endangered Species Act
FM	Factory Manual
FMMP	Farmland Mapping and Monitoring Program
g	ground gravity acceleration (9.8 meters squared per second)
GHz	gigaHertz
G/m <sup>2</sup> /year	grams per square meter per year

GO	General Order
GP	General Plan
GWh	gigawatt hours
Haz Mat	hazardous materials
HCM	Highway Capacity Manual
HDD	horizontal directional drilling
HDPE	high-density polyethylene
Hfa	Hilmar loamy sand
HHV	higher heating value
HmA	Hilmar sand
HMBP	Hazardous Materials Business Plan
HMI	Hoist Manufacturers Institute
HMMP	Hazardous Materials Management Plan
HP	high pressure
HRSG	heat recovery steam generator
HSP	Health and Safety Plan
HS	historical site
HVAC	heating, ventilating, and air conditioning
HWCL	Hazardous Waste Control Law
Hz	hertz
IBEW	International Brotherhood of Electrical Workers
ICBO	International Conference of Building Officials
IDLH	immediately dangerous to life and health
IEEE	Institute of Electrical & Electronics Engineers
I/O	input/output
IP	intermediate pressure

kA	kiloAmpere
kcmil	1,000 circular units
kHz	kilohertz
KV/m	kilovolts per meter
LC	load center
LD <sub>50</sub>	dose lethal to 50 percent of those tested
LDLO	lowest published lethal dose
LEL	lower explosive limit
LEPC	Local Emergency Planning Committee
LORS	laws, ordinances, regulations, and standards
LOS	level of service
LO/TO	lock-out/tag-out
LP	low pressure
MA	milliampere
MCC	motor control center
MCE	maximum credible earthquake
MdA	Madera sandy loam
MDP	Minor Discretionary Permit
MEA	Master Environmental Assessment
MEI	maximum exposed individual
MG	milligauss
mg/kg	milligrams per kilogram
mg/l	milligrams per liter
mg/m <sup>3</sup>	milligrams per cubic meter
MLD	most likely descendant
MMBtu	million British Thermal Units
MMSCFD	million standard cubic feet per day

mph	miles per hour
mph	miles per hour
MSDS	Material Safety Data Sheet
MSW	municipal solid waste
MVM	million vehicle miles
Mw	moment magnitude
MW	megawatt
NAAMM	National Association of Architectural Metal Manufacturers
NAHC	Native American Heritage Commission
NESC	National Electric Safety Code
NFPA	National Fire Protection Association
NH <sub>3</sub>	ammonia
NHPA	National Historic Preservation Act
NIOSH	National Institute of Occupational Safety and Health
NO <sub>x</sub>	nitrogen
NPDES	National Pollution Discharge Elimination System
NRCS	Natural Resources Conservation Service
NRHP	National Register of Historic Places
NWP	nation-wide permit
O&M	operations and maintenance
ORP	oxidation reduction potential
OSD	official soil description
OSHA	Occupational Safety and Health Act
PA	project archaeologist
PEL	OSHA permissible exposure limit for 8-hr workday
PG&E	Pacific Gas & Electric Company

PI	Planned Industrial
PPE	personal protective equipment
ppm	parts per million
ppmc	parts per million corrected
PRC	Public Resources Code
PSMP	Process Safety Management Plan
RCRA	Resource Conservation and Recovery Act
REL	reference exposure level
RI-TVI	radio interference and television interference
RMP	Risk Management Plan
ROC	reactive organic compound
ROW	right-of-way
RQ	reportable quantity
RTD	resistance temperature detector
RTP	Regional Transportation Plan
RUSLE	revised universal soil loss equation
RV	recreational vehicle
RWQCB	Regional Water Quality Control Board
SAA	Streambed Alteration Agreement
SARA	Superfund Amendments and Reauthorization
S&HC	[California] Street and Highways Code
SCR	selective catalytic reduction
SDI	Steel Deck Institute
SERC	State Emergency Response Commission
SHPO	State Historic Preservation Officer
SNA	significant natural area
SOP	standard operating procedure



SPCC	Spill Prevention Control and Countermeasures
STEL	Short-term exposure limit, 15-min. exposure
STG	steam turbine generator
SWPPP	Stormwater Pollution Prevention Plan
SWRCB	State Water Resources Control Board
TCLO	lowest published toxic concentration
TEWAC	totally enclosed water-to-air cooler
TFS	(City of) Turlock Fire Services
TID	Turlock Irrigation District
TLV	ACGIH threshold limit value for 8-hr workday
TpA	Traver sandy loam
TPQ	threshold planning quantity
TSD	treatment, storage, and disposal
TSRR	Tidewater Southern Railroad
TuA	Tujunga loamy sand
TWA	NIOSH time-weighted average for 8-hr workday
UBC	Uniform Building Code
UL	Underwriters Laboratories
UPRR	Union Pacific Railroad
UPS	uninterruptible power supply
USACE	United States Army Corps of Engineers
USBR	United States Bureau of Reclamation
USC	United States Code
USE	Utility System Efficiencies, Inc.
USEPA	United States Environmental Protection Agency
USFWS	United States Fish and Wildlife Service
USGLO	United States Government Land Office

USGS	United States Geological Survey
UXO	unexploded ordnance
WEAT	Worker Environmental Awareness Training
WEC	Walnut Energy Center
WPRR	Western Pacific Railroad
WWTP	wastewater treatment plant
ZLD	zero-liquid-discharge